

PHILANI MHLONGO

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SUMMARY

- A motivated graduate in System Development with strong analytical and problem-solving skills. Seeking a role in Software Development where I can apply my technical knowledge and passion for innovation.
- Proven ability to learn and apply new technologies through hands-on projects

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services (AWS) *expected Jan 2025*

EDUCATION

Wethinkcode *Dec 2024*
Higher Certificate in System Development *Johannesburg, Gauteng*

PROJECTS

Wordpress-Infrastructure | CloudFormation, IaC, VPC, EC2, RDS, EFS, ALB, IAM 🔗

- Designed and implemented a highly available WordPress infrastructure using AWS CloudFormation
- Architected a multi-tier VPC across 3 Availability Zones with public, application, and database subnets for optimal security and reliability
- Implemented auto-scaling WordPress application layer using EC2, ALB, and Auto Scaling Groups with CloudWatch monitoring
- Integrated managed AWS services including RDS for MySQL database and EFS for shared storage to reduce operational overhead
- Deployed comprehensive security controls including security groups, IAM roles, and network isolation

Serverless Self-Storage Management API | AWS Lambda, API Gateway, DynamoDB, AWS SAM 🔗

- Developed a serverless backend for a self-storage management system using AWS Serverless Application Model (SAM), implementing cloud-native, event-driven microservices
- Implemented user authentication using Amazon Cognito
- Utilized API Gateway and Lambda for backend logic, DynamoDB for data storage
- Robust payment processing and recurring billing mechanisms

Simple Flutter Alphabet Book App | Flutter, Dart 🔗

- Developed an educational mobile application tailored for children aged 2-5 years to help them learn the alphabet through interactive and engaging features.
- Implemented tap-to-hear functionality for alphabet pronunciation, combining visual and auditory learning for toddlers.
- Ensured offline accessibility, allowing the app to function without an internet connection.

SKILLS

Cloud Platforms: Amazon Web Services (AWS)

AWS Services: EC2, S3, VPC, IAM, RDS, Lambda, API Gateway, CloudFront, Route 53, CloudFormation

Containerization: Docker, Amazon ECS

CI/CD: AWS CodePipeline, CodeBuild, Gitlab CI/CD Pipeline

Infrastructure as Code: AWS CloudFormation

Programming: Python, Java

Version Control: Git, GitHub

Operating Systems: Linux, Windows

Soft Skills: Communication, Teamwork, Adaptability